

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

TOWER ROCK STONE COMPANY

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 475 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: **Renewal**

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Ste. Genevieve	07	38N	09E	164	0	164	Site #1	0317
Ste. Genevieve	12	38N	08E	195	0	195	Site #2	0318
Ste. Genevieve	13, 14, 23, & 24 17, 18, & 19	38N 38N	08E 09E	116	0	116	Southern Expansion	1997

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 12th day of March 2004


DIRECTOR OF STAFF

Land Reclamation Commission

Permit No. 0237

Effective Date 03/22/2004

Expiration Date 03/21/2005

MO 780-1122 (6-95)

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND
RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Tower Rock Stone Co. - Ste. Genevieve		DATE February 25, 2004	
ADDRESS P.O. Box 50	CITY Columbia	STATE IL	ZIP CODE 62236
CONTACT PERSON Rodney Linker/Mike Sturdevant		TELEPHONE NUMBER 618-281-4106	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Site #1, #2, Southern Exp.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$ 300

2. Acreage Fee \$5 X 475 number of acres bonded \$ 2375

3. Annual Permit Fee..... \$ 500

4. Total Fee (Add totals from 1, 2 and 3)..... \$ 3175

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

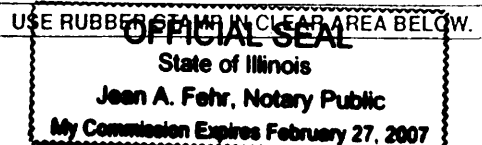
SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee..... \$ 300

SIGNATURE OF APPLICANT <i>Rodney E. Linker</i>	TITLE Vice President	DATE February 27, 2004
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Appeared before me this 1st day of March, 20 04, Rodney E. Linker
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE OF Illinois	COUNTY (OR CITY OF ST. LOUIS) Monroe
	SUBSCRIBED AND SWORN BEFORE ME, THIS 1st DAY OF March YEAR 2004	
	NOTARY PUBLIC SIGNATURE <i>Jean A. Fehr</i>	MY COMMISSION EXPIRES 2/27/07
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Jean A. Fehr	



FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>	DATE APPROVED 3-11-04	PERMIT NUMBER 0237	EXPIRATION DATE 3-21-05
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

Complete this form for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Ste. Genevieve Quarry - Southern Expansion		PERMIT NUMBER #0237	
COMPANY Tower Rock Stone Co.			
COUNTY Ste. Genevieve	1/4 SECTION SE & SW - S13 SE - S14 NE - S23 NE - S24	SW - S17 SE - S18 SW - S19	SECTION 13, 14, 23, 24, - R8E 17, 18, 19, - R9E
TOWNSHIP T38N	RANGE R8E	R9E	ACRES 1402 <i>M.P.S. 06/26/03</i> 1402 <i>1419 ac. M.P.S.</i>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Chemical Lime Company of Missouri		
ADDRESS 20947 White Sands Rd.		
CITY Ste. Genevieve	STATE MO	ZIP CODE 63670
SOURCE OF RIGHT TO MINE (CHECK ONE) <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE): Contractual Agreement		DATE OF AGREEMENT April 01, 2000

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Chemical Lime Company of Missouri		
ADDRESS 20947 White Sands Rd.		
CITY Ste. Genevieve	STATE MO	ZIP CODE 63670
SOURCE OF RIGHT TO MINE (CHECK ONE) <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE): Contractual Agreement		DATE OF AGREEMENT April 01, 2000

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

COMPANY NAME Tower Rock Stone Co.	
TYPE OF PLAN (CHECK ONE): <input type="checkbox"/> SHORT TERM, FOR ONE PERMIT YEAR <input checked="" type="checkbox"/> LONG TERM, FOR PERIOD THROUGH DATE: March 31, 2053	
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY. <p>The area has natural rock bluffs with rock outcroppings, rolling agricultural land with wooded areas. Some of the existing slopes are non-farmable in that farm machinery is unable to traverse them.</p>	
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING <div style="text-align: center; margin-top: 10px;"><u>12"</u> INCHES</div>	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE? <div style="text-align: center; margin-top: 10px;"><input type="checkbox"/> YES OR <input checked="" type="checkbox"/> NO</div>
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL <p>Dozers and scrapers will be used to remove and stockpile topsoil materials and will be stockpiled in stable areas to minimize erosion. Overburden soils and clays will be removed and stockpiled or placed in areas ready for reclamation. Testing will be performed to determine type and amount of fertilizers and nutrients necessary to support agricultural, pasture, or wildlife areas. The application of fertilizers and nutrients will be applied at the time most suitable for establishment of vegetation.</p>	
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION <p>Stockpiled topsoil will be seeded and sloped to prevent erosion and where needed straw bales, silt fences or other methods will be used to intercept eroded soil and minimize loss.</p>	
PERMIT NO. 0237	SITE NUMBER/NAME Tower Rock Stone Co. - Ste. Genevieve

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Spoil will be placed in the mined out portion of the quarry. The spoil will consist of overburden ~~soils~~, waste rock, non-usable processed rock. It will be handled by trucks and scrapers with distribution by dozers. Spoil piles will recieve rocky material first which will be covered with clean soil/topsoil and seeded as denoted in this plan. It will be graded to a traversable topograghy no steeper than (3:1).

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C. ACID MATERIALS

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The current pit walls will extend south and southeast and will eventually extend southwest. Slopes in unconsolidated overburden excavation will be sloped to less than 40 degrees from the horizontal.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☒ ☐ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "YES", a safety barrier may be needed.)

PERMIT NO.
0237

SITE NUMBER/NAME
Tower Rock Stone Co. - Ste. Genevieve

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MISSOURI LAND
RECLAMATION COMMISSION

Tower Rock Stone Co.
19829 Lower Frenchman's Rd.
Ste. Genevieve, MO 63670

April 14, 2003

Addendum to Tower Rock Stone Co.'s Mine Reclamation Plan, page two of five, item three of three YES or NO boxes for the southern expansion dated 06/01/2003 through 06/01/2053.

Will any excavation start at or within fifty feet (50') of any property line?

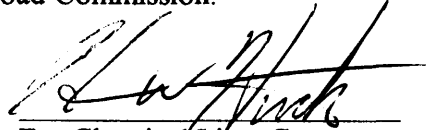
YES. In the long term plan multiple landowners' property lines will be crossed and mined through. Safety barriers will be added as needed to protect the public and limit access to the active mine site.

**Public Roadway Relocation
Memorandum of Understanding**

The undersigned parties, Chemical Lime Company of Missouri, Inc., Tower Rock Stone Company (as operator), and the Ste. Genevieve County Special Road Commission, hereby acknowledge that, in the furtherance of surface mining of the lands proposed for expansion noted on application dated Feb. 24, 2003 by Tower Rock Stone, certain roads and infrastructure will require relocation as mining progresses beyond the present quarry limits.

The undersigned further hereby acknowledge and agree as follows:

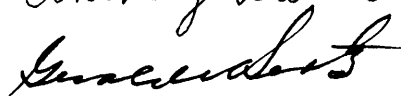
1. As mining proceeds, relocation of any and/or all roads will be to mutually acceptable locations at times determined by the mine owner/operator.
2. Active mining will be prohibited within 50 feet of any currently designated Right-of-Way.
3. All associated construction will be to the standards set by the Ste. Genevieve County Special Road Commission.


For Chemical Lime Company
of Missouri, Inc.


For Tower Rock Stone Co.


For Special Road District

Dated this 25 day of March, 2003

Anthony Basler


RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.
A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

Mix #1

PURPOSE OR LAND USE

Agricultural/Pastureland

B. SEEDING OR PLANTING TIME

Mar, April, May, Sept, Oct, Nov.

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first seeding season following topsoil replacement or substitute, the seed mix will be broadcast and harrowed. Reseeding will be done as needed to achieve grass cover sufficient to control erosion.

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 MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Ky 31 or Alta Fescue	50 #/ac.		
Perennial Ryegrass	20 #/ac.		
Red Fescue	10 #/ac.		
Oats	48 #/ac.		

REVEGETATION MIX #2

Mix #2

PURPOSE OR LAND USE

Pasture

B. SEEDING OR PLANTING TIME

Mar, Apr, May, Sep, Oct, Nov.

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Same methods and equipment as above for Mix #1.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8 #/ac.		
Alfalfa	10 #/ac.		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

PERMIT NO.

0237

SITE NUMBER/NAME

Tower Rock Stone Co. - Ste. Genevieve

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Spoil areas will be graded to slopes treversable by farm machinery. An approximately 150-200 acre lake will be formed in the final pit. The lake will be designed to meet SCS standards. The high wall will remain, with protected slopes in unconsolidated overburden above not steeper than 40 degrees from the horizontal. A protective barrier of boulders or a berm may be utilized along portions of the highwall.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will be done in accordance with 10CSR 40-10.050(10)(A)(C) as the pit advances and as spoil is placed in mined out portions of the quarry, subject to normal mine operation and safety requirements. Final grading will be completed within one year after mine use is terminated in a specific area.

REPLACEMENT OF TOPSOIL

Topsoil will be laid in accordance with 10CSR 40-10.050(10)(A)(C) within one year of final grading, except those areas to be used as roadways, building sites or parking areas.

REVEGETATION

Seed mixes in Part A, will be in accordance with 10CSR 40-10.050(10)(B)(C). Revegetation timing will depend upon completion of topsoil placement and the time of year.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

-0-

Agricultural (pasture, cropland, and horticultural)

1,162 ~~1,174~~

Development (residential, industrial, and recreational)

140 ~~145~~

Water impoundments (for wildlife, agriculture, or development)

100

PERMIT NO.

#0237

SITE NUMBER/NAME

Tower Rock Stone Co. - Ste. Genevieve

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FEB 27 2003

By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMo 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Rodney E. Fisher</i>		TITLE <i>Vice Pres. - Tower Rock Spur</i>	DATE <i>2/24/2003</i>
NOTARY PUBLIC EMBOSSE NOT VALID UNLESS NOTARIZED	STATE Illinois	COUNTY (OR CITY OF ST. LOUIS) Monroe	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 25th DAY OF February YEAR 2003		USE RUBBER STAMP IN CLEAR AREA BELOW. "OFFICIAL SEAL" Jean A. Fehr Notary Public, State of Illinois My Commission Expires 2/27/03
	NOTARY PUBLIC SIGNATURE <i>Jean A. Fehr</i>	MY COMMISSION EXPIRES 2/27/03	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Jean A. Fehr		
FOR DEPARTMENT USE ONLY			
APPROVED BY <i>Chris J. Reed</i>		DATE APPROVED 4/11/03	PERMIT NUMBER 0237
PERMIT NO. 0237		SITE NUMBER/NAME Site #3 Southern Expansion.	



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Tower Rock Stone Co. - Site # 1		PERMIT NUMBER # 237	
COMPANY NAME Tower Rock Stone Co.			
COUNTY Ste. Genevieve	1/4 SECTION SE 1/4 SW 1/4	SECTION Sec. 7 Sec. 12	
TOWNSHIP T38N	RANGE R9E R8E	ACRES 566.5 337 Acres	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) NA			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) NA	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) See Attached List		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) same as above		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 2012

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Natural bluff with rock outcroppings and rolling agricultural with sink holes, sparsely wooded areas on steep, non-farmable slopes which vary from 3 percent to near vertical along the river.

Soils are low to medium plasticity clays.

RATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

4" - 6" INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers and scrapers will remove and stockpile topsoil materials in a designated area. Overburden clay will be removed and stockpiled or placed in areas ready for reclamation. Testing will be performed to determine type and amount of fertilizers and nutrients necessary to support agricultural or pasture land use, and applied at the time suitable for establishment of vegetation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Stockpiled topsoil will be seeded to prevent erosion and straw bales or silt fence utilized to intercept eroded soil. Dozers and farm equipment will be used for this initial phase and subsequent maintenance.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Spoil will be placed in mined out portion of the pit. This spoil will consist of overburden soils, waste rock and non-usable processed rock. It will be handled by trucks and scrapers and distributed by dozers.

Existing spoil piles will receive rocky material first which will be covered with clean soil/topsoil and seeded as denoted in this application. It will be graded to a traversable topography no steeper than 3:1.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

"None"

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See Site Map.

Pit will advance southeasterly from present face. A protective berm will remain in place along the property boundaries with fencing maintained during the mine's active term.

Note that a natural rock bluff prohibits entry from the Northeast. Slopes in unconsolidated overburden excavation will be sloped to less than 40 degrees from the horizontal.

YES NO

☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☒☐

Will any excavation start at or within fifty feet (50') of any property line? *Rock barrier already exists*
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

#1

PURPOSE OR LAND USE

Agricultural/Pastureland

B. SEEDING OR PLANTING TIME

Spring or Fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first seeding season following topsoil replacement or substitute, the seed mix will be broadcast and harrowed. Reseeding will be done as needed to achieve grass cover sufficient to control erosion.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Ky31 or Alta Fescue Perennial Ryegrass Red Fescue Oats	50# 20# 10# 48#		

REVEGETATION MIX #2

#2

PURPOSE OR LAND USE

Pasture

B. SEEDING OR PLANTING TIME

Spring or Fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Same as above

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass Alfalfa	8# 10#		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

All spoil areas will be graded to slopes traversable by farm machinery. A 150 to 200 acre lake will be formed in the final pit. The lake will be designed to meet SCS standards for hydraulic requirements. The high wall will remain, with protected slopes in unconsolidated overburden above not steeper than 40 degrees to the horizontal. A protective barrier of large boulders may be utilized along portions of the high wall.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will be done as the pit advances and as spoil is placed in the mined out portions of the pit, subject to normal mine operation and safety requirements. Final grading will be completed within one year after mine use is terminated in a specific area.

REPLACEMENT OF TOPSOIL

Topsoil will be laid down within one year after final grading, except those areas to be undated, or left as industrial use areas. Topsoil will be replaced to a uniform depth of 12 inches and disced to reduce compaction.

REVEGETATION

All topsoiled areas will be seeded during the first planting season following topsoil replacement and re-seeded as necessary.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)
12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

41

Development (residential, industrial, and recreational)

146 229.5 BH
10/30/95

Water impoundments (for wildlife, agricultural, or development)

150

as per
conversion

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT

Arthur A. Baltz

Arthur A. Baltz

TITLE

Secretary-Treasurer

DATE

March 16, 1992

NOTARY PUBLIC EMBOSSEER SEAL

STATE

Illinois

COUNTY (OR CITY OF ST. LOUIS)

Monroe

SUBSCRIBED AND SWORN BEFORE ME, THIS

16th DAY OF *March* 19 *92*

USE RUBBER STAMP IN CLEAR AREA BELOW

NOTARY PUBLIC SIGNATURE

MY COMMISSION
EXPIRES

3/14/95

NOTARY PUBLIC NAME (TYPED OR PRINTED)

Deborah K. LaCroix

APPROVED BY (DIRECTOR'S REPRESENTATIVE)

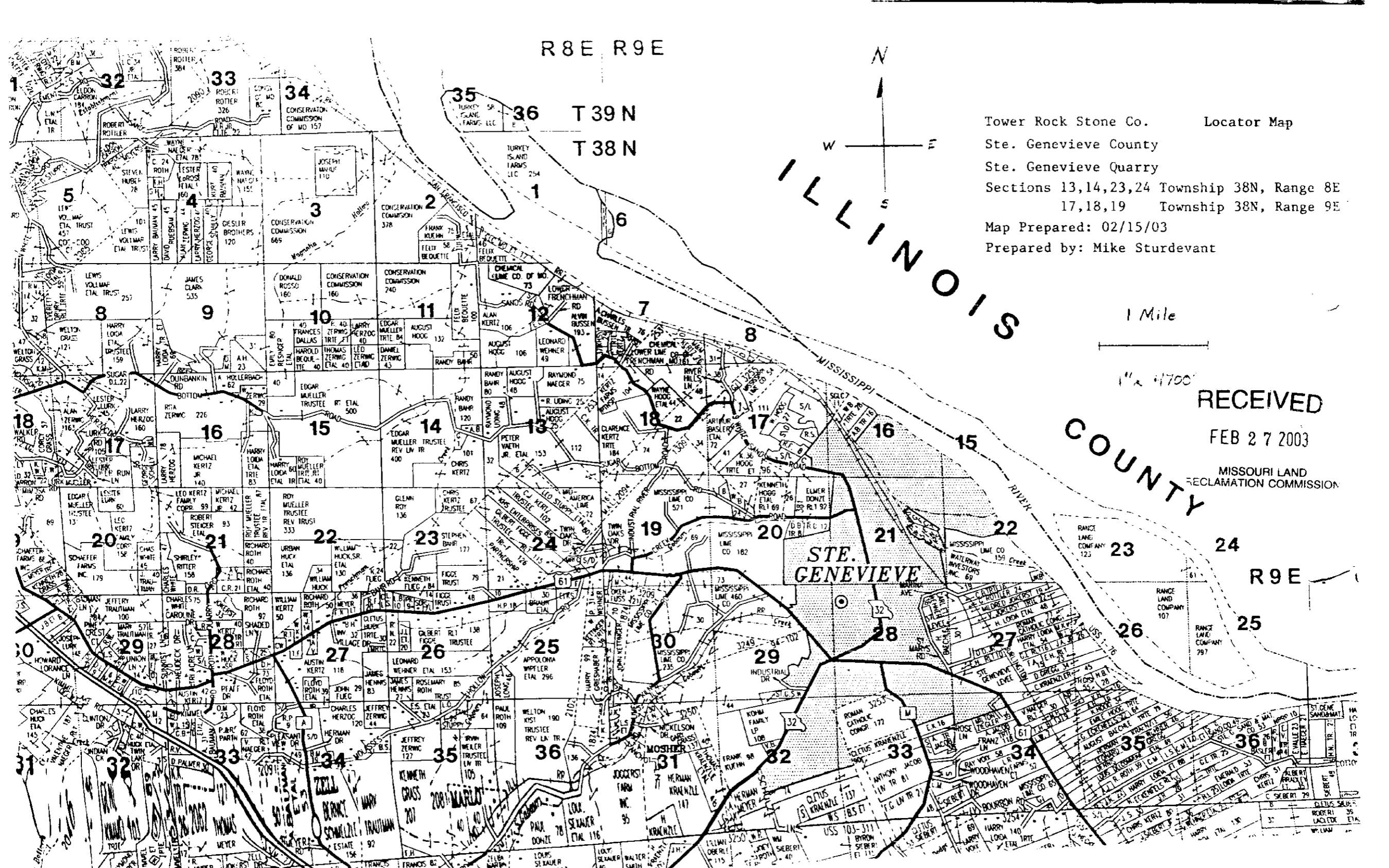
[Signature]

DATE APPROVED

3-11-04

PERMIT NUMBER

0237



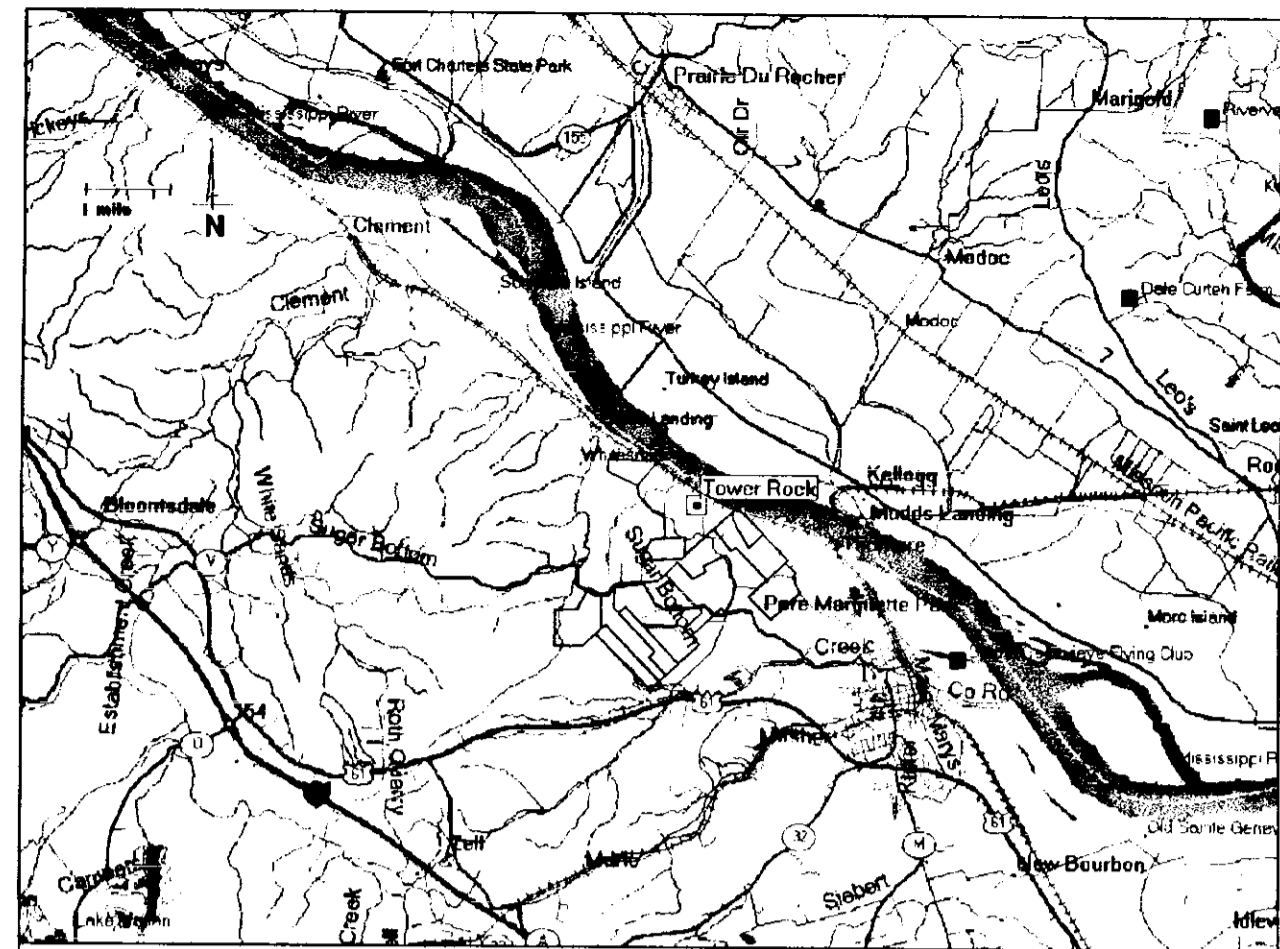
R8E R9E

T39N
T38N

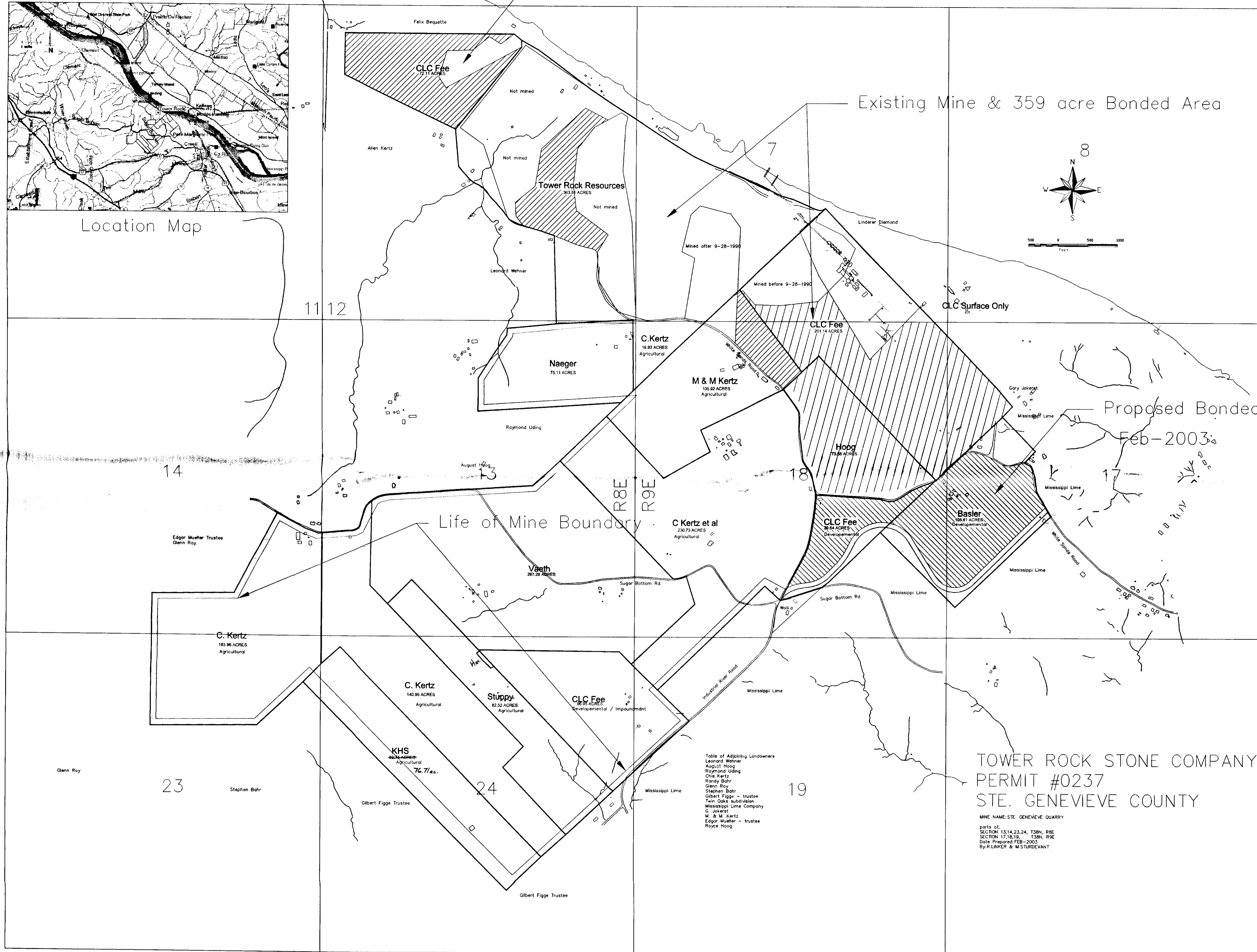
Tower Rock Stone Co. Locator Map
Ste. Genevieve County
Ste. Genevieve Quarry
Sections 13,14,23,24 Township 38N, Range 8E
17,18,19 Township 38N, Range 9E
Map Prepared: 02/15/03
Prepared by: Mike Sturdevant

1 Mile

RECEIVED
FEB 27 2003
MISSOURI LAND
RECLAMATION COMMISSION
COUNTY
R9E



Location Map



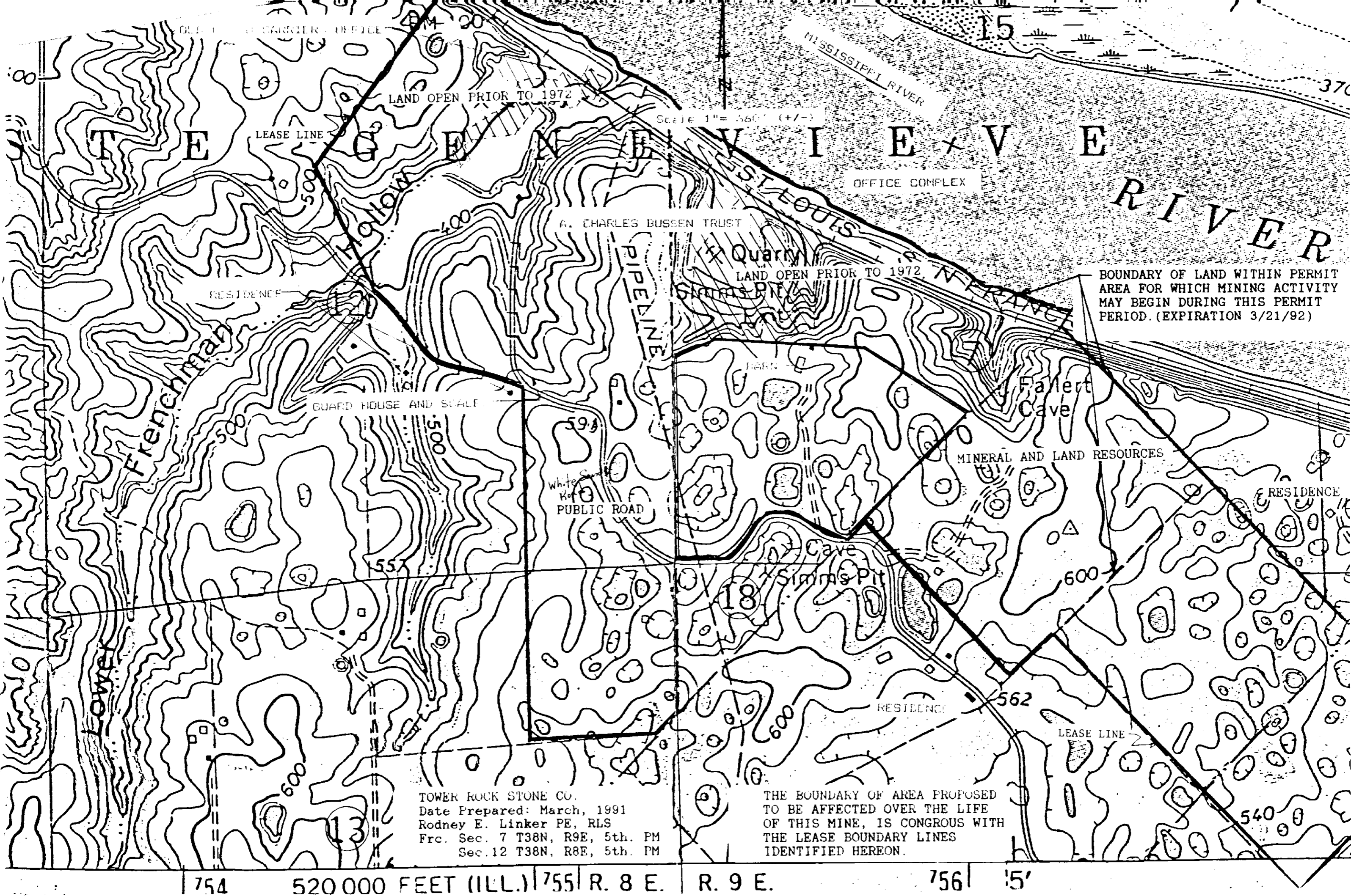
Proposed Bonded Acres
Feb-2003

Table of Adjoining Landowners

Leonard Wehner
August Hoog
Raymond Uding
Chris Kertz
Randy Bahr
Glenn Roy
Stephen Bahr
Gilbert Figge - trustee
Twin Oaks subdivision
Mississippi Lime Company
G. Jokers
M. & M. Kertz
Edgar Mueller - trustee
Royce Hoog

TOWER ROCK STONE COMPANY PERMIT #0237 STE. GENEVIEVE COUNTY

MINE NAME: STE. GENEVIEVE QUARRY
parts of:
SECTION 13, 14, 23, 24, T38N, R8E
SECTION 17, 18, 19, T38N, R9E
Date Prepared: FEB-2003
By: R. LINKER & M. STURDEVANT



ST. GENEVIEVE SITE EXAMINATION

PERMIT BOUNDARY

OVERBURDEN AND WASTE PILE

LIMIT OF PIT

St. Genevieve County
S7 T38N R9E

AARION KERTZ

BUSSEN

LIMIT OF ACTIVE PIT

PERMIT BOUNDARY

PUBLIC ROAD

RELOCATED COUNTY ROAD

ALKE & AARION KERTZ

CHEMICAL LINE CO. OF MO.

435 ACRES
EXPANDED AINE AREA

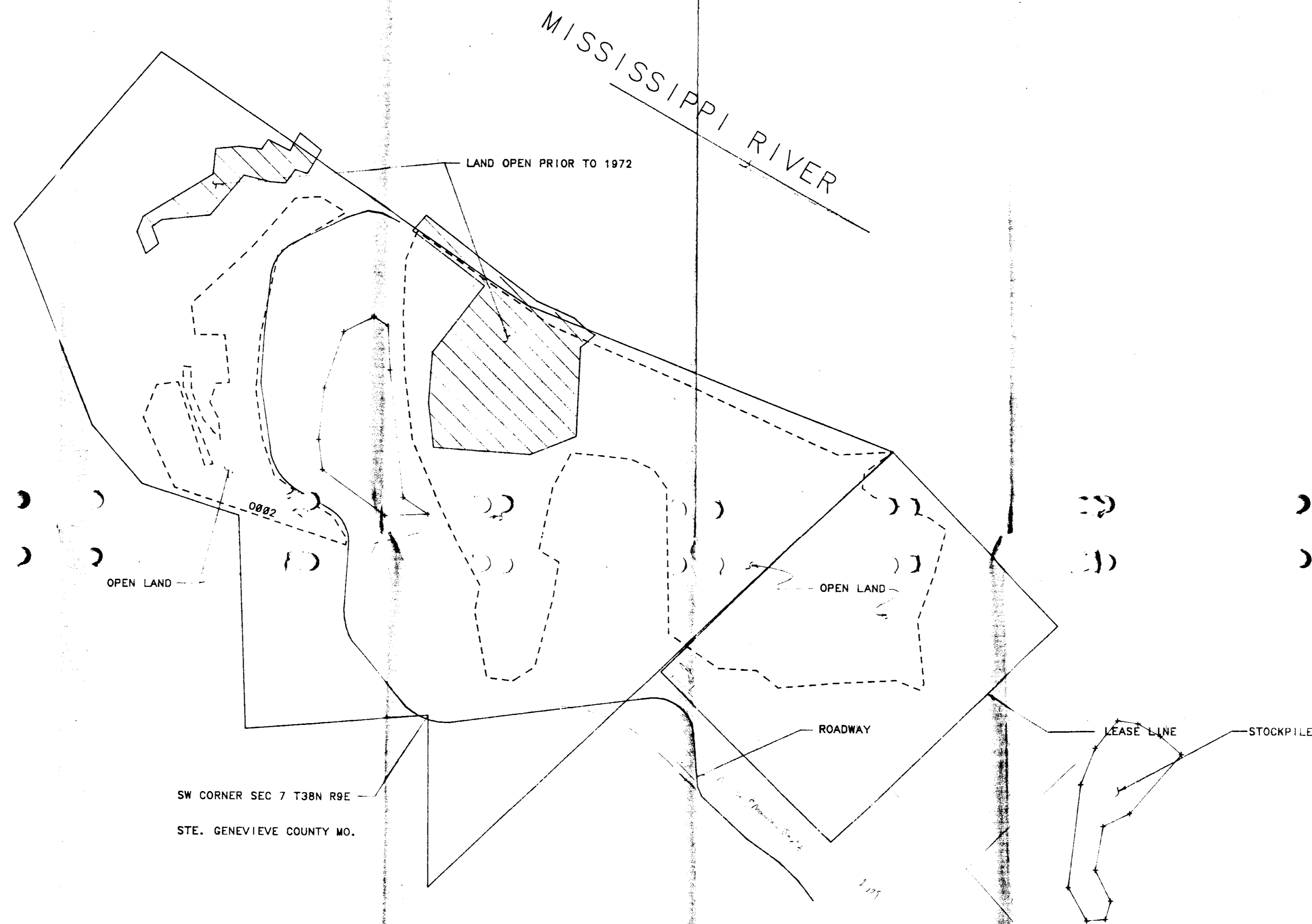
SPOIL PILE
AND TOPSOIL STOCKPILE

SCALE

0 660 1320 1980 2640

AAP PREPARED AUGUST 1994

PREPARED BY RODNEY LINKER PE RLS



OPEN LAND = 195 ACRES
 OPEN PRIOR = 33 ACRES
 BALANCE TO BE PERMITTED = 162 AC
 WASTE STOCKPILE AREA = 24.5 AC
 TOTAL PERMIT AREA = 186.5 AC

1/1/90



TOWER ROCK STONE
 OPEN LAND MAP 1-1- 1990

TOWER ROCK STONE STE. GENEVIEVE, MO			
DATE	SCALE	SHEET	
01-01-90	1"=500'	TRS	

RECEIVED
 MAR 07 1990

RECREATION COMMISSION